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WHAT IS CLAIMED IS:

- 1. A moisture-curable, polyether urethane having terminal cyclic urea/reactive silane groups and comprising
- a) 20 to 100% by weight, based on the weight of a) and b), of a polyether urethane containing two or more terminal cyclic urea/reactive silane groups and one or more polyether segments, wherein the polyether segments have a number average molecular weight of at least 3000 and a degree of unsaturation of less than 0.04 milliequivalents/g, provided that the sum of the number average molecular weights of all of the polyether segments per molecule averages 6000 to 20,000, and wherein the terminal cyclic urea/reactive silane groups correspond to tformula VIII and/or IX

Formula VIII

$$O \bigvee_{N} Si(X)_3$$

$$O \bigvee_{N} R_4$$

$$OR_2$$

Formula IX

wherein

- X represents identical or different organic groups which are inert to isocyanate groups below 100°C, provided that at least two of these groups are alkoxy or acyloxy groups,
- Y represents a linear or branched alkylene group containing 1 to 8 carbon atoms.

 R_2 and R_5 are identical or different and represent organic groups which are inert to isocyanate groups at a temperature of 100°C or less and

WO 2004/060953 PCT/US2003/038710

- R₃ and R₄ are identical or different and represent hydrogen or organic groups which are inert towards isocyanate groups at a temperature of 100°C or less, and
- b) 0 to 80% by weight, based on the weight of a) and b), of a polyether urethane containing one reactive silane group and one or more polyether segments having a number average molecular weight of 1000 to 15,000.
 - 2. The polyether urethane of Claim 1 wherein
- X represents identical or different alkoxy groups having 1 to 4 carbon atoms,
 - Y represents a linear radical containing 2 to 4 carbon atoms or a branched radical containing 5 to 6 carbon atoms,

 R_2 and R_5 are identical or different and represent alkyl groups having 1 to 4 carbon atoms and

15 R₃ and R₄ represent hydrogen.

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- 3. The polyether urethane of Claim 1 wherein the reactive silane group of component b) comprises a terminal cyclic urea/reactive silane group corresponding to formula VIII or IX.
- 4. The polyether urethane of Claim 2 wherein the reactive silane group of component b) comprises a terminal cyclic urea/reactive silane group corresponding to formula VIII or IX.
- 5. The polyether urethane of Claim 1 wherein polyether urethane a) is present in an amount of 20 to 90% by weight and polyether urethane b) is present in an amount of 10 to 80% by weight, wherein the percentages are based on the weight of a) and b).
- 6. The polyether urethane of Claim 2 wherein polyether urethane a) is present in an amount of 20 to 90% by weight and polyether urethane b) is present in an amount of 10 to 80% by weight, wherein the percentages are based on the weight of a) and b).

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- 7. The polyether urethane of Claim 3 wherein polyether urethane a) is present in an amount of 20 to 90% by weight and polyether urethane b) is present in an amount of 10 to 80% by weight, wherein the percentages are based on the weight of a) and b).
- 8. The polyether urethane of Claim 4 wherein polyether urethane a) is present in an amount of 20 to 90% by weight and polyether urethane b) is present in an amount of 10 to 80% by weight, wherein the percentages are based on the weight of a) and b).
- 9. The polyether urethane of Claim 1 wherein polyether urethane a) is present in an amount of 30 to 80% by weight and polyether urethane b) is present in an amount of 20 to 70% by weight, wherein the percentages are based on the weight of a) and b).
 - 10. The polyether urethane of Claim 2 wherein polyether urethane a) is present in an amount of 30 to 80% by weight and polyether urethane b) is present in an amount of 20 to 70% by weight, wherein the percentages are based on the weight of a) and b).
 - 11. The polyether urethane of Claim 3 wherein polyether urethane a) is present in an amount of 30 to 80% by weight and polyether urethane b) is present in an amount of 20 to 70% by weight, wherein the percentages are based on the weight of a) and b).
 - 12. The polyether urethane of Claim 4 wherein polyether urethane a) is present in an amount of 30 to 80% by weight and polyether urethane b) is present in an amount of 20 to 70% by weight, wherein the percentages are based on the weight of a) and b).
 - 13. The polyether urethane of Claim 1 wherein the polyether segments of polyether urethane a) have a number average molecular weight of at least 6000 and the polyether segments of component b) have a number average molecular weight of 3000 to 12,000.
 - 14. The polyether urethane of Claim 2 wherein the polyether segments of polyether urethane a) have a number average molecular weight of at least 6000 and the polyether segments of component b) have a number average molecular weight of 3000 to 12,000.

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- 15. The polyether urethane of Claim 3 wherein the polyether segments of polyether urethane a) have a number average molecular weight of at least 6000 and the polyether segments of component b) have a number average molecular weight of 3000 to 12,000.
- 16. The polyether urethane of Claim 4 wherein the polyether segments of polyether urethane a) have a number average molecular weight of at least 6000 and the polyether segments of component b) have a number average molecular weight of 3000 to 12,000.
- 17. The polyether urethane of Claim 5 wherein the polyether segments of polyether urethane a) have a number average molecular weight of at least 6000 and the polyether segments of component b) have a number average molecular weight of 3000 to 12,000.
 - 18. The polyether urethane of Claim 6 wherein the polyether segments of polyether urethane a) have a number average molecular weight of at least 6000 and the polyether segments of component b) have a number average molecular weight of 3000 to 12,000.
 - 19. The polyether urethane of Claim 7 wherein the polyether segments of polyether urethane a) have a number average molecular weight of at least 6000 and the polyether segments of component b) have a number average molecular weight of 3000 to 12,000.
 - 20. The polyether urethane of Claim 8 wherein the polyether segments of polyether urethane a) have a number average molecular weight of at least 6000 and the polyether segments of component b) have a number average molecular weight of 3000 to 12,000.
 - 21. The polyether urethane of Claim 9 wherein the polyether segments of polyether urethane a) have a number average molecular weight of at least 6000 and the polyether segments of component b) have a number average molecular weight of 3000 to 12,000.
- The polyether urethane of Claim 10 wherein the polyether segments of polyether urethane a) have a number average molecular weight of at least 6000 and the polyether segments of component b) have a number average molecular weight of 3000 to 12,000.

WO 2004/060953 PCT/US2003/038710 31

- 23. The polyether urethane of Claim 11 wherein the polyether segments of polyether urethane a) have a number average molecular weight of at least 6000 and the polyether segments of component b) have a number average molecular weight of 3000 to 12,000.
- 24. The polyether urethane of Claim 12 wherein the polyether segments of polyether urethane a) have a number average molecular weight of at least 6000 and the polyether segments of component b) have a number average molecular weight of 3000 to 12,000.
- 25. A sealant, adhesive or coating composition containing the
 moisture-curable, alkoxysilane-functional polyether urethane of Claim 1.